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DNEPROSTROY ASKS GENERATOR IMPROVEMENTS; TRANSFORMER PRODUCTION UP

SCORE TURBINE DEFECTS -- Leningradskaja Pravda, No 248, 20 Oct 49

The Doepr CES ineni Lenin has pledged to put into operation this year three turbines instead of the two called for in the plan. It is relying on Lantagrad machine-building enterprises to supply the equipment. The machines built by leningral plants have proved superior to those imported firm the US. They are more productive and can carry heavier loads. imported driving wheels come in three perts, assembly of which is a very complex operation; on the other hand, Soviet-produced wheels are whole-cast and are much cheaper to mount. Soviet turbine bearings, with their rubber lubricant seals and water lubrication, are infinitely more reliable. Sowdet governors are superior to the US product. So are the thrust bearings, which are built in adjustable sections.

However, certain improvements could be made in domestic products. For Justance, many plants consign parts that are only partially assembled so that Dreprostroy is compelled on occasion to complete the assembling itself, including the cutting and reaming of a large number of holes. Much time is wasted in assembling parts which have been improperly marked or packed. The work of Dneprostroy would be facilitated if it were provided with the necessary equipment such as reamers, broaching tools, etc.

Both the reliability and ease of repair of generators built by the E skirosila Plant could be improved by replacing the leads of the excitation cables to the stator terminals with copper bus bars. The cover of the generator should be redesigned to permit climbing inside, and the cover over the pivot-journal /lubricating/ bath should be provided with an inspection batch. To make it possible to take samples of oil from undermeath the thrust bearings, special cranes for lifting up the rotor snaft should be installed. The emergency fire-sprinkler system should have two diametrically opposed feeders.

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The centrifugal relays and the pipes in the upper parts of the generator should be redesigned so that they may be occurred more completely. Considerable thought should be given to the design and shape of the cooling coils to prevent their being by-passed by the heated air. There should be access openings to the exciter and pilot exciter in the special meshed exceen protectors which surround those parts of the unit.

Turbines built by the Plant iment Stalin, while of high quality, could stand some improvement. The lubrication system of the turbine bearing should have a reduction valve, and the acress hatch in the botler should be on the lide rather than underneath.

Leningrad power machinery builders should pay particular attention to the quality of articular control and indicating equipment. Accurate machining of particular is another thing they should watch; excessive water escapes from pilot mait was tupe and from various lugs and seems in the cover of the trabite itself. For the because certain parts of the drainage system are not machined properly, and cannot be repaired reliably. -- F. Loginov, Chief, Dreguestroy

FLECTRICAL EQUIPMENT FLANT LISTS ACHIEVEMENTS -- Leningradshaya Pravda, No 256, 18 Oct 49

The designers is the Elektroside Flent, summing up their achievements this year, have noted the following:

A number of hydrogenerators were built for one of the largest electric power standars, with a saving of 30 tons of iron and 7 tons of steel castings. Two other 15,600 killowatt hydrogenerators were built, with a saving of 2,200 killograms of copper resulting from a new method of winding the stator coils. Asymptonous motors were produced with a power step-up of 10-20 percent, with resultant savings of 189 tons of iron, 3,300 killograms of steel, and 68 tone of steel castings. The improvement of other types of asymptonous machines, through a reduction of dimensions, saved 460,000 rubles.

The plant supplies electrical equipment for the rolling mills of many materials enterprises; designers are now trying to simplify some of this equipment. In planning a series of machines for a tube mill, the 1,500-borseposes noter has built on an eight-pole principle instead of the earlier lampeds. This permitted great savings in insulating materials and a considerable reduction in labor consumption.

In September two more powerful engines were constructed; the weight of each, compared with analogous prevar models, was reduced by 25 percent. By 7 November the plant will release the blueprint for a new 18,000-volt hydrogenerator. It will also release the plan for a blooming-mill engine.

BULLD NEW DIAL CENTRAIS -- Prayda, No 327, 23 Nov 49

The Krashaya Marya Plant Leningrad, has just put a new-type step dial central into large-series production. The new central has unlimited capacity. It combines in one unit the operation of city, suburban, and office centrals, putting not only local but invercity communications on a dial system. One of the busic units of the step central is the T-70 telephonic relay. Production of this unit has been placed on a conveyer-belt basis, cutting its time of manufacture 4 days. Among the many new processes being used at the plant are pressure casting, electric welding, and electrolytic polishing. Nearly 20 conveyer lines are now in operation.

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BRIJADE MAKES 9,600 BULBS IN 12 HOURS -- Vechernyaya Moskva, No 277, 23 Nov 49

At the Order of Lear Electric Bulb Plant, Moscow, the following shops have gone on special Stalin-Constitution-Day shifts: light bulb, special bult, electronic ray equipment, bulb cap, and refractories shops.

conveyer line operates in strict rhythm. Between 10,000 and 15,000 bulbs above plan are coming off the end line every day. One brigade turned out 9,6 thousand-wait bolb is a linear day, as against the norm of 6,800.

BULR FLANT FREES LOOK SPACE -- Kommunist, No 275, 23 Nov 49

Monybelenes and softman were formerly rough-drawn on a 30-meter line of these mills at the Method Erectric Bulb Plant. As a step in the drive to free floor space for the equipment, a new mill has been designed which accomplishes the same work in one tenth the former space.

PLEDGE ABOVE-PLAN TRANSFORMERS -- Moskovskiy Komsomolets, No 128, 20 Oct 49

The Moscow Transformer Plant has pledged to meet the 11-month plan by Thomsether and to produce above the 10 month plan, power transformers with a total capacity of 3(2,02) kilovolt emperes.

Vechennyaya Moskva, No 277, 23 Nov 49

A Konsomel brigade which makes small, complex transformers at the Moscow Fransformer Plant moday built "4 transformers, i.e., a full shift's work, before lunch.

MOSCOW GES TO GET NEW CONTACT PREAKER -- Leningradskaya Pravda, No 261,

. One of the shops of the "Elektroappara." Plant has pledged to produce a powerful MW4-589 contact breaker. It is intended for one of the large GES which supply the city of Moscow with electric power.

A Model M43-609 contact breaker has also been perfected.

PIASTIC-PARTS FIANT IMPROVES METHODS - Leningradskeya Pravda, No 248, 20 Oct 49

The "Kompound's kaya Pravda" Plant, a small plant on the Vyborg side of Leninghad, in famous for its plastic parts for telephone, movie, and electrical equipment. This year, the plant has put out 30 new products, among them parts for textile machines, specks for the "Kinop" (Cinema Apparatus) Plant, caps for the "Serkabel!" Plant, and hand-wheels for machine-building enterprises.

Not so long ago, press matrices were produced by machine tools, which was an expensive, labor-consuming operation. Now, the plant produces them on a 2,000-ton press. Recently, an electric-spark machine tool was installed, which makes possible a rapid and high-quality production of complex pressmould parts. In the casting shop, the automatic machines have been paired, so that one worker operates two machines simultaneously. Scon this

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shop will be completely mechanized and one worker will operate all the automatic machines. In the press shop, one worker now operates three machiner, whereas in the past three workers were required. The plant is now working on a high-frequency unit for heating press powders, which will change radically the technique of making plastics.

LIVOV PLANT MEETING QUOLAS -- Prande, No 291, 18 Oct 49

The Electrical Instruments Plant, one of the largest in L'vov, reports that the majority of its workers are meeting the norms 150-200 percent.

CABLE PLANT SPEEDS PRODUCTION -- Moskovskiy Bol'shevik, No 246, 18 Oct 49

The "Moskabel" Plant is striving to complete the Five-Year Plan with respect to production volume by 1 November.

NAME SEISMOGRAPH PLANT -- Sovetskaye Latviya, No 275, 23 Nov 49

The "Etalon" Plant, Riga, builds seismographs for the Academy of Sciences USSR.

PLANTS FAIL TO USE NEW METHODS -- Sovetskaya Latviya, No 246, 18 Oct 49

Although, in general, Latvian plants are now applying advanced production techniques such as high-speed metal cutting, automatic and ultra-whort electric-arc welding, whole-stamping, and conveyer-belt assembly, a number of plants in Riga are still behind in their techniques, particularly the "REZ," "Stars," and "Gidrometpribor" plants.

On the other hand, application of new techniques has been noted in the following cases: the Ship-Repair Plant is using oxygen blasts in connaction with the electric-arc method of metal cutting; the "Speks" Plant is doing thread rolling; and the "Sarkan zvaygzne" Plant has begun highspeed grinding.

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